

ABSTRACT

RADIO FREQUENCY TUNER

A radio frequency tuner comprises a first frequency changer for block upconverting the channels of an input broadband signal in a first frequency range to a higher second frequency range. A multiplexer selects between the output of the first frequency changer and anyone of second broadband signals in the second frequency range. A second frequency changer has a variable frequency local oscillator for selecting and converting to I and Q baseband signals any selected channel in the broadband signal from the multiplexer.